

NAVIGATOR EKO white

non-aromatic acrylic solventborne road marking

Symbol : 24.30.12-50.00

Standard: WT - 0736:2006

Approvals: IBDiM technical approval No. AT/2007-03-2155
PZH 2/B-2043/95

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| Description: | NAVIGATOR EKO white acrylic solventborne paint for road marking is a suspension of pigments and fillers immersed in a solution of acrylic resin and non-aromatic solvents with an addition of additives. | | | | | | | | | | | | |
| Range of application: | NAVIGATOR EKO white paint is used as a horizontal road marking on bituminous or concrete substrate public streets and roads, yards, parking lots etc. | | | | | | | | | | | | |
| Application methods: | The marking can be applied with all kinds of application machines (pneumatic and hydrodynamic application machines). | | | | | | | | | | | | |
| Consumption: | On good substrates, proper marking parameters can be obtained using 600g of the marking for every m ² . Most commonly, the consumption is 600g to 800g for every m ² . A maximum volume of 1kg of the marking can be used for a one 1m ² coat. | | | | | | | | | | | | |
| Functional properties: | <p>NAVIGATOR EKO white is environmentally friendly as it does not contain any aromatic solvents. The coating is a top shelf product and optimally combines all the key properties i.e. good coverage, very high resistance to abrasion, a snow-white colour, good adhesion to the substrate, resistance to conditions of atmospheric exposure and a pleasant smell all in one. Applying glass reflective micro beads makes the marking highly visible in the headlight beam of a vehicle in night conditions. Because the micro beads adhere strongly to the paint, the coating maintains its reflective properties under conditions of use for a very long time.</p> <p>General technical information:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Colour</td> <td style="width: 30%;"></td> <td style="width: 40%;">white</td> </tr> <tr> <td>Density in 20⁰C</td> <td>[g/cm³]</td> <td>1,59 ÷ 1,64</td> </tr> <tr> <td>Viscosity</td> <td>KU</td> <td>79 – 85</td> </tr> <tr> <td>Solid content</td> <td>[%]</td> <td>75 ÷ 79</td> </tr> </table> | Colour | | white | Density in 20 ⁰ C | [g/cm ³] | 1,59 ÷ 1,64 | Viscosity | KU | 79 – 85 | Solid content | [%] | 75 ÷ 79 |
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| Drying time: | In good weather conditions a 15 minute wait time may be enough before traffic can be resumed. This time may extend at lower air and substrate temperatures and if a thicker coat is applied. Other factors such as type of substrate, wind force and humidity may affect the drying time as well. Because of this, we recommend checking the dryness level of a given stretch of applied marking before traffic is resumed. | | | | | | | | | | | | |
| Thinner: | WPZ 11 solvent for road marking paints. | | | | | | | | | | | | |
| Application method: | NAVIGATOR EKO paint is to be applied onto dry, clean and coherent bituminous substrates. Due to the risk of yellowing of the paint it is not recommended to apply it on pitch type substrates. Before application, the | | | | | | | | | | | | |

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| | <p>contents of the packaging have to be carefully stirred to obtain a uniform consistency. The viscosity the marking comes in needs not be modified. Only if the viscosity of the paint rises significantly due to e.g. a low ambient temperature (5-10°C) can it be thinned using a small amount of WPZ 11 solvent at a volume of 2% w/w. Using excessive amounts of the thinner is unacceptable as it causes a deterioration of the coating quality. The marking is to be applied at a temperature range of 5-35°C for both the air and substrate and at a relative humidity of the air not exceeding 80%. The paint cannot be applied in conditions of fog or dew. The paint can be applied using pneumatic or hydrodynamic application machines. To give the paint reflective properties, glass micro beads have to be applied no later than 3 seconds after paint application. The micro beads should be applied mechanically in such a way that the beads are immersed properly in the applied paint. The beads cannot be applied by hand. 250-300 g of beads should be applied on each square meter. The recommended glass bead types: 125-630 T lub 100-600 H from Interminerglass or Sovitec.</p> |
| Packaging: | 30 kilogram metal buckets. |
| Warranty: | 12 months from the production date if stored in its original packaging and not exposed to direct sunlight. |
| H&S and fire safety guidelines: | <p>The paint is highly flammable and contains hazardous volatile solvents, that is why during application general H&S and fire safety regulations have to be followed. In particular it is forbidden to smoke cigarettes or consume food during application. The paint has to be stored in tightly sealed packagings, away from any sources of fire, heat and direct sunlight exposure. For more detailed information refer to the Material Safety Data Sheet.</p> |